

FIG.1

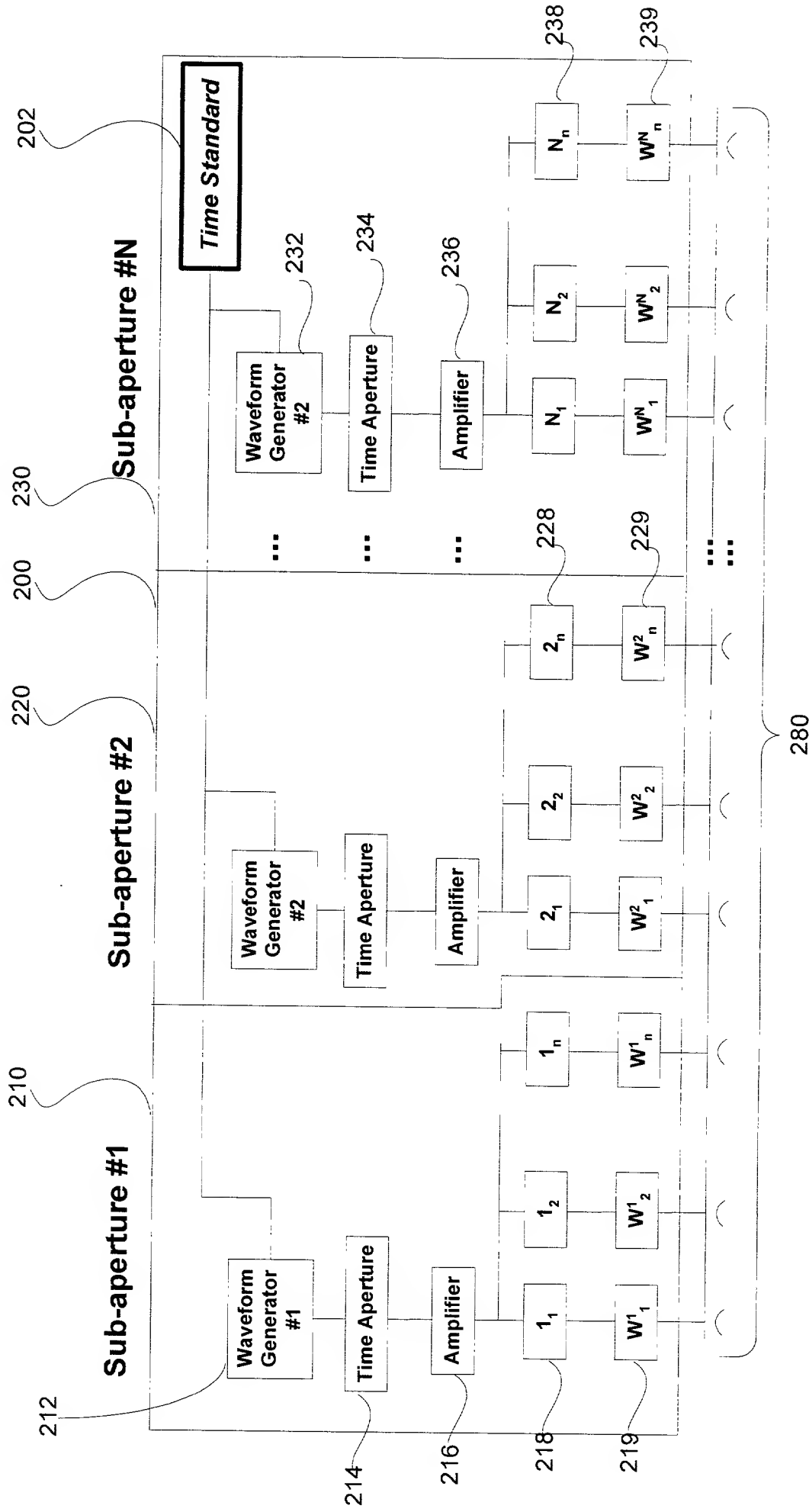


Fig. 2

300

$$P_{\text{TOTAL}} = \sum_{i=1}^N P_i$$

390

# Adaptive Broadcast Radar (ABR) Signal Processor

Time Standard

310

$H_1$

350

ABR Transmitter Channel Demultiplexer

318

$Y_1$

Motion Compensation

316

$X_1$

Receiver

$\{ 1_1$

$1_2$

$W^1_1$

$W^1_2$

$1_n$

$W^1_n$

$2_1$

$2_2$

$W^2_1$

$W^2_2$

$2_n$

$W^2_n$

$\{ 2_n$

$W^2_n$

$\{ 2_1$

$W^2_1$

$\{ 2_2$

$W^2_2$

$\{ 2_n$

$W^2_n$

$\{ 2_1$

$W^2_1$

$\{ 2_2$

$W^2_2$

$\{ 2_n$

$W^2_n$

$H_2$

ABR Transmitter Channel Demultiplexer

$Y_2$

Motion Compensation

$X_2$

Receiver

$2_1$

$2_2$

$W^2_1$

$W^2_2$

$2_n$

$W^2_n$

$\{ 2_n$

$W^2_n$

$\{ 2_1$

$W^2_1$

$\{ 2_2$

$W^2_2$

$\{ 2_n$

$W^2_n$

$\{ 2_1$

$W^2_1$

$\{ 2_2$

$W^2_2$

$\{ 2_n$

$W^2_n$

$H_N$

ABR Transmitter Channel Demultiplexer

$Y_N$

Motion Compensation

$X_N$

Receiver

$N_1$

$N_2$

$W^N_1$

$W^N_2$

$N_n$

$W^N_n$

$\{ N_n$

$W^N_n$

$\{ N_1$

$W^N_1$

$\{ N_2$

$W^N_2$

$\{ N_n$

$W^N_n$

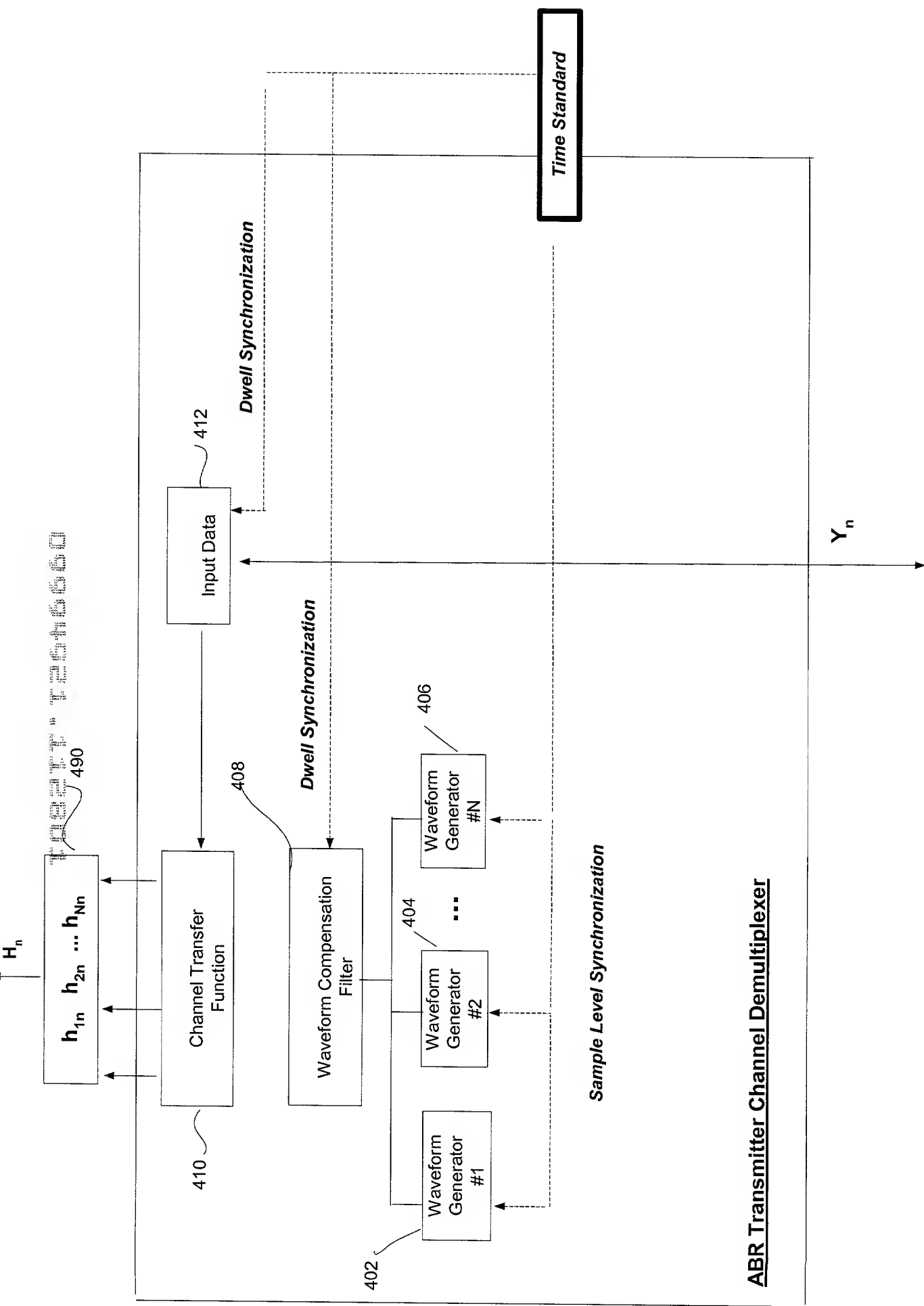
Sub-aperture #1

Sub-aperture #2

380

Sub-aperture #N'

Fig. 3



**Fig. 4**

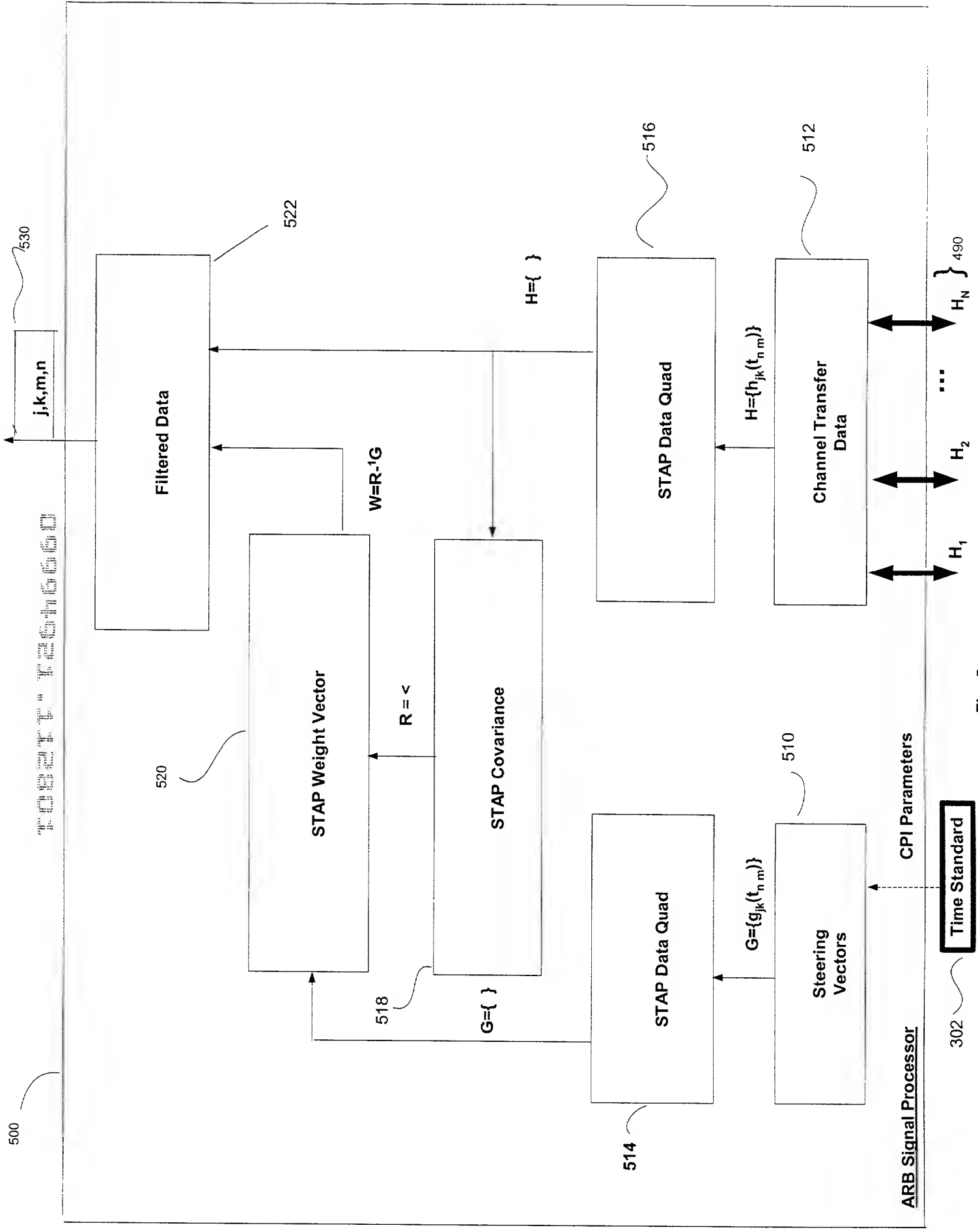


Fig. 5

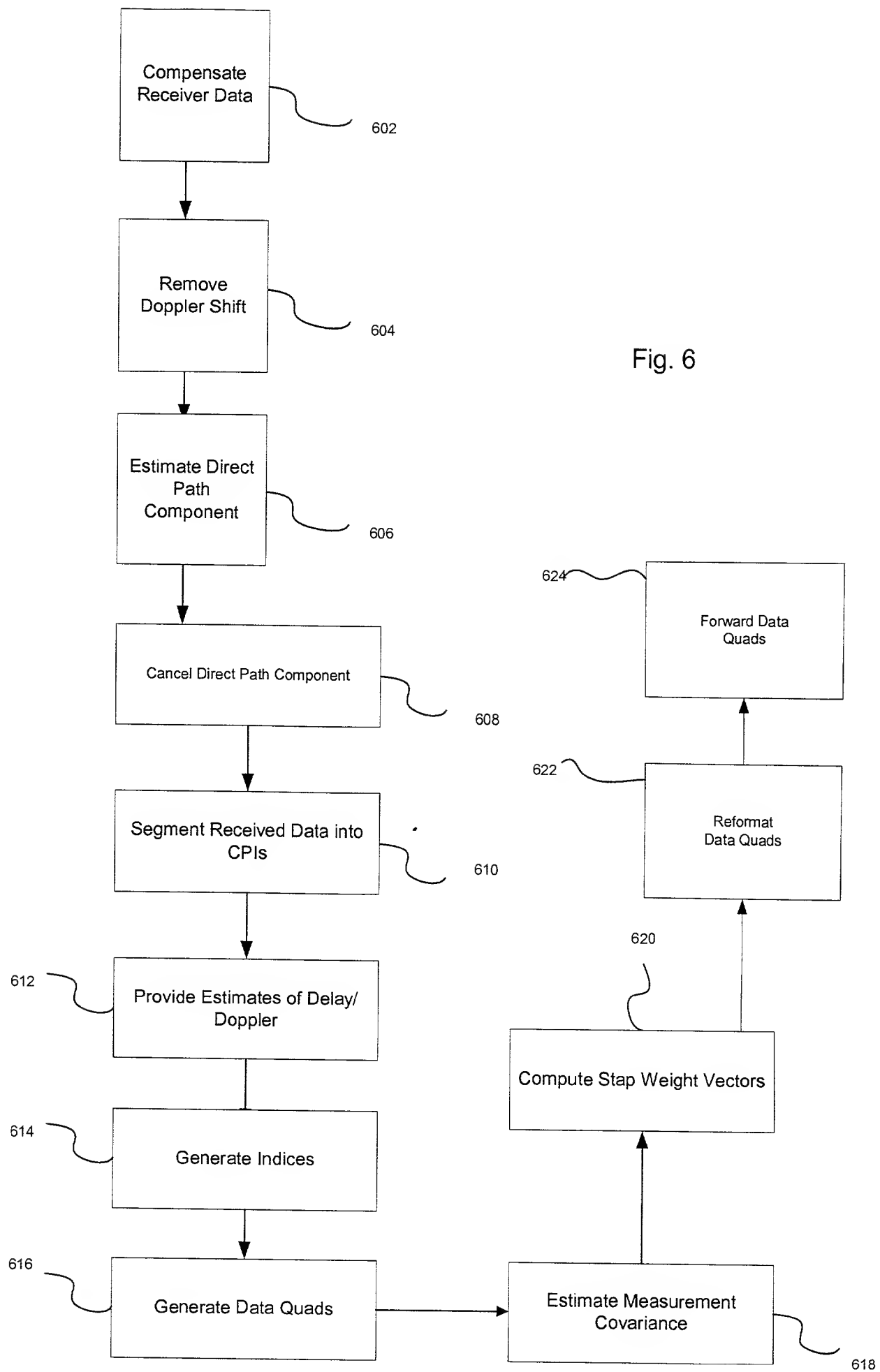


Fig. 6

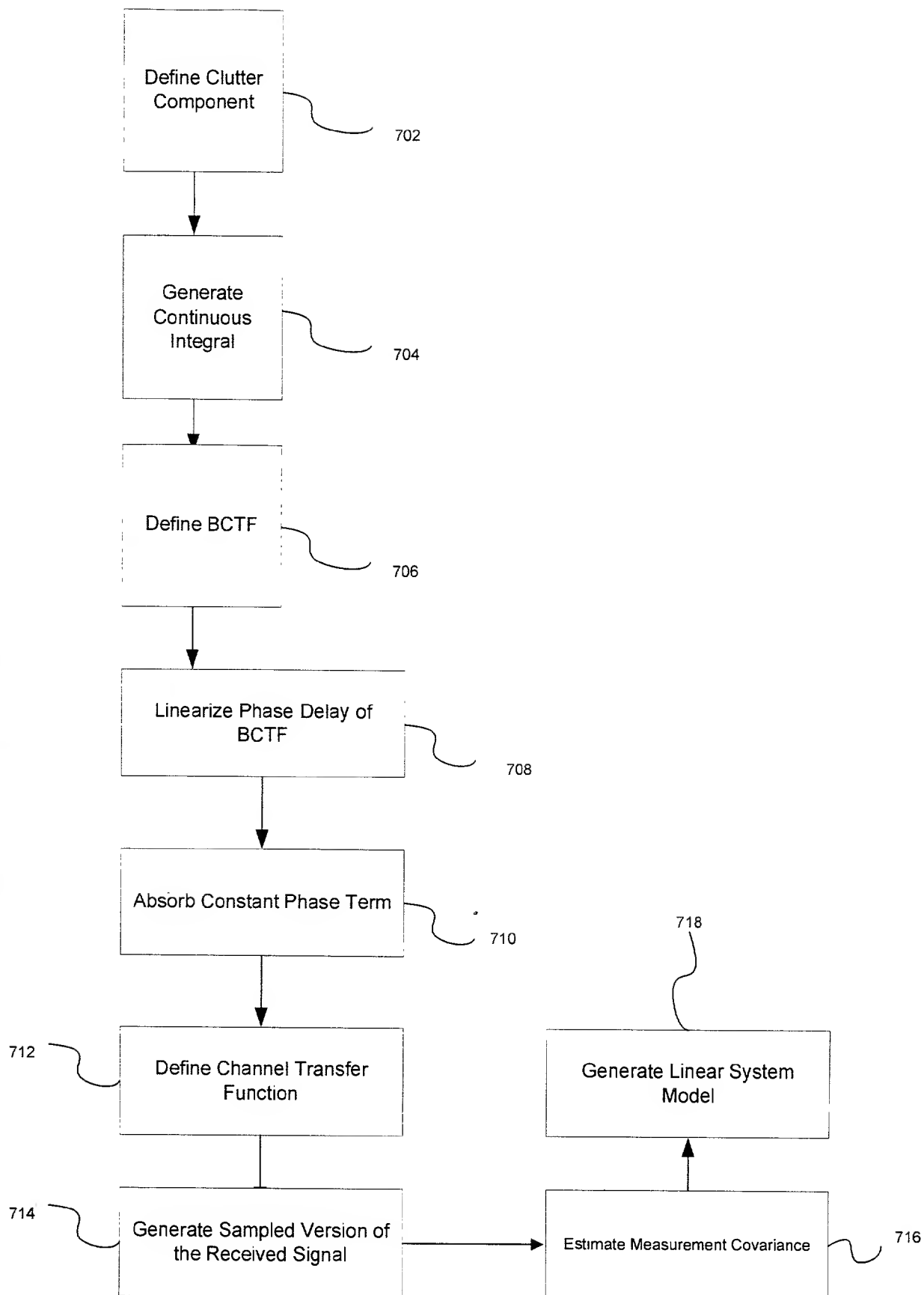


Fig. 7

FIG. 8

